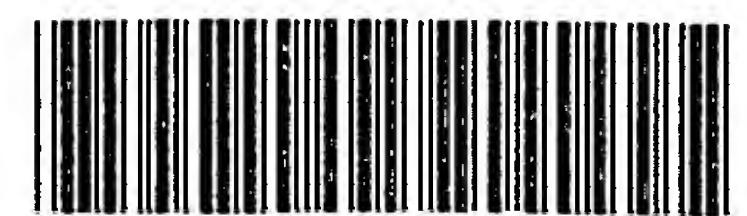


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 101591,558
Source: TFWP
Date Processed by STIC: 9/15/06

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IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/591,558

DATE: 09/15/2006
TIME: 09:06:22

Input Set : A:\2488041-SEQ.txt
Output Set: N:\CRF4\09152006\J591558.raw

3 <110> APPLICANT: Irun Cohen
 4 Avishai Mimran
 5 Francisco Quintana
 6 Felix Mor
 7 Pnina Carmi
 9 <120> TITLE OF INVENTION: CD25 DNA VACCINES FOR TREATING AND PREVENTING T-CELL
 MEDiated
 10 DISEASES
 12 <130> FILE REFERENCE: 2488.041
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/591,558
 C--> 14 <141> CURRENT FILING DATE: 2006-08-31
 14 <150> PRIOR APPLICATION NUMBER: PCT/IL2005/000273
 15 <151> PRIOR FILING DATE: 2005-03-08
 17 <150> PRIOR APPLICATION NUMBER: US 60/550,308
 18 <151> PRIOR FILING DATE: 2004-03-08
 20 <160> NUMBER OF SEQ ID NOS: 11
 22 <170> SOFTWARE: PatentIn version 3.3
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 2308
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Homo sapiens
 29 <400> SEQUENCE: 1
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 32 tcctccggcg cgatgc当地 aagaggctga cggcaactgg gccttctgca gagaaagacc 120
 34 tccgcttcac tgccccggct ggtcccaagg gtcaggaaga tggattcata cctgctgatg 180
 36 tggggactgc tcacgttcat catggtgccct ggctgccagg cagactctg tgacgatgac 240
 38 ccgccagaga tcccacacgc cacattcaaa gccatggcct acaaggaagg aaccatgtt 300
 40 aactgtgaat gcaagagagg tttccgcaga ataaaaagcg ggtcactcta tatgctctgt 360
 42 acaggaaact ctagccactc gtcctggac aaccaatgtc aatgcacaag ctctgccact 420
 44 cggAACACAA CGAAACAAAGT GACACCTCAA CCTGAAGAAC AGAAAGAACAG GAAAACCCACA 480
 46 gaaatgc当地 gtccaatgca gccagtggac caagcgagcc ttccaggtca ctgcaggaa 540
 48 cctccaccat gggaaaatga agccacagag agaatttac atttcgttgt gggcagatg 600
 50 gtttattatc agtgcgtcca gggatacagg gctctacaca gaggtcctgc tgagagcgtc 660
 52 tgcaaaatga cccacggaa gacaaggtgg acccagcccc agctcatatg cacaggtcaa 720
 54 atggagacca gtcagttcc aggtgaagag aagcctcagg caagccccga aggccgtcct 780
 56 gagagtgaga cttcctgcct cgtcacaaca acagatttc aaatacagac agaaatggct 840
 58 gcaaccatgg agacgtccat atttacaaca gagtaccagg tagcagtggc cggctgtgtt 900
 60 ttcctgctga tcagcgtcct cttcctgagt gggctcacct ggcagcggag acagaggaag 960
 62 agtagaagaa caatctagaa aaccaaaaga acaagaattt cttggtaaga agccggaaac 1020
 64 agacaacaga agtcatgaag cccaaagtcaa atcaaagggtg ctaaatggtc gcccaggaga 1080
 66 catccgttgc gcttcgtgc gtttggaaag ctctgaagtc acatcacagg acacggggca 1140
 68 gtggcaacct tgtcttatg ccagctcagt cccatcagag agcgagcgct acccacttct 1200
 70 aaatagcaat ttcggccgttg aagaggaagg gcaaaaccac tagaactctc catcttattt 1260
 72 tcatgtatat gtgttcatta aagcatgaat ggtatggaac tctctccacc ctatatgttag 1320

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76	gaaagccccca	gcactaacgt	aaatacacaa	cacacacact	ctaccctata	caactggaca	1440										
78	ttgtctgcgt	ggttccttc	tcagccgctt	ctgactgctg	attctcccg	tacacgttgcc	1500										
80	taataaaacat	ccttcaagaa	ctctgggctg	ctacccagaa	atcattttac	ccttggctca	1560										
82	atcctctaag	ctaaccctt	tctactgagc	cttcagtctt	gaatttctaa	aaaacagagg	1620										
84	ccatggcaga	ataatcttg	ggtaacttca	aaacggggca	gccaaacc	tgaggcaatg	1680										
86	tcaggaacag	aaggatgaat	gaggtcccag	gcagagaatc	atacttagca	aagtttacc	1740										
88	tgtgcgttac	taattggcct	ctttaagagt	tagttctt	gggattgcta	tgaatgatac	1800										
90	cctgaatttg	gcctgcacta	atttgatgtt	tacaggtgga	cacacaaggt	gcaaataatcaat	1860										
92	gcgtacgtt	cctgagaagt	gtctaaaaac	acccaaaagg	gatccgtaca	ttcaatgttt	1920										
94	atgcaaggaa	ggaaagaaag	aaggaagtga	agagggagaa	gggatggagg	tcacactggt	1980										
96	agaacgtAAC	cacggaaaag	agcgcattcag	gcctggcact	gtggctcagg	cctataaccc	2040										
98	cagctcccta	ggagaccaag	gcgggagcat	ctcttgaggg	caggagttt	agaccagcct	2100										
100	gggcagcata	gcaagacaca	tccctacaaa	aaatttagaaa	ttggctggat	gtgggtggcat	2160										
102	acgcctgttag	tcctagccac	tcaggaggct	gaggcaggag	gattgcttga	gcccaggagt	2220										
104	tcgaggctgc	agtcagtcat	gatggcacca	ctgcactcca	gcctggcaa	cagagcaaga	2280										
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110	<211>	LENGTH:	272														
111	<212>	TYPE:	PRT														
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117	1				5		10							15			
120	Pro	Gly	Cys	Gln	Ala	Glu	Leu	Cys	Asp	Asp	Asp	Pro	Pro	Glu	Ile	Pro	
121					20		25							30			
124	His	Ala	Thr	Phe	Lys	Ala	Met	Ala	Tyr	Lys	Glu	Gly	Thr	Met	Leu	Asn	
125					35		40							45			
128	Cys	Glu	Cys	Lys	Arg	Gly	Phe	Arg	Arg	Ile	Lys	Ser	Gly	Ser	Leu	Tyr	
129					50		55							60			
132	Met	Leu	Cys	Thr	Gly	Asn	Ser	Ser	His	Ser	Ser	Trp	Asp	Asn	Gln	Cys	
133		65				70			75					80			
136	Gln	Cys	Thr	Ser	Ser	Ala	Thr	Arg	Asn	Thr	Thr	Lys	Gln	Val	Thr	Pro	
137						85				90				95			
140	Gln	Pro	Glu	Glu	Gln	Lys	Glu	Arg	Lys	Thr	Thr	Glu	Met	Gln	Ser	Pro	
141					100			105						110			
144	Met	Gln	Pro	Val	Asp	Gln	Ala	Ser	Leu	Pro	Gly	His	Cys	Arg	Glu	Pro	
145					115			120						125			
148	Pro	Pro	Trp	Glu	Asn	Glu	Ala	Thr	Glu	Arg	Ile	Tyr	His	Phe	Val	Val	
149					130			135			140						
152	Gly	Gln	Met	Val	Tyr	Tyr	Gln	Cys	Val	Gln	Gly	Tyr	Arg	Ala	Leu	His	
153	145					150			155					160			
156	Arg	Gly	Pro	Ala	Glu	Ser	Val	Cys	Lys	Met	Thr	His	Gly	Lys	Thr	Arg	
157						165			170					175			
160	Trp	Thr	Gln	Pro	Gln	Leu	Ile	Cys	Thr	Gly	Glu	Met	Glu	Thr	Ser	Gln	
161					180			185			190						
164	Phe	Pro	Gly	Glu	Glu	Lys	Pro	Gln	Ala	Ser	Pro	Glu	Gly	Arg	Pro	Glu	
165					195			200			205						
168	Ser	Glu	Thr	Ser	Cys	Leu	Val	Thr	Thr	Thr	Asp	Phe	Gln	Ile	Gln	Thr	

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Input Set : A:\2488041-SEQ.txt

Output Set: N:\CRF4\09152006\J591558.raw

169 210 215 220
172 Glu Met Ala Ala Thr Met Glu Thr Ser Ile Phe Thr Thr Glu Tyr Gln
173 225 230 235 240
176 Val Ala Val Ala Gly Cys Val Phe Leu Leu Ile Ser Val Leu Leu Leu
177 245 250 255
180 Ser Gly Leu Thr Trp Gln Arg Arg Gln Arg Lys Ser Arg Arg Thr Ile
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186 <212> TYPE: PRT
187 <213> ORGANISM: Artificial
189 <220> FEATURE:
190 <223> OTHER INFORMATION: synthetic peptide derived from CD25
192 <400> SEQUENCE: 3
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195 1 5 10 15
198 Ala Gly His Cys Arg
199 20
202 <210> SEQ ID NO: 4
203 <211> LENGTH: 20
204 <212> TYPE: PRT
205 <213> ORGANISM: Artificial
207 <220> FEATURE:
208 <223> OTHER INFORMATION: synthetic peptide derived from CD25
210 <400> SEQUENCE: 4
212 Ala Ser Glu Glu Ser Gln Gly Ser Arg Asn Ser Phe Pro Glu Ser Glu
213 1 5 10 15
216 Ala Cys Pro Thr
217 20
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221 <211> LENGTH: 20
222 <212> TYPE: PRT
223 <213> ORGANISM: Artificial
225 <220> FEATURE:
226 <223> OTHER INFORMATION: synthetic peptide derived from IL2-Rb
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230 Ile Phe Leu Glu Thr Leu Thr Pro Asp Thr Ser Tyr Glu Leu Gln Val
231 1 5 10 15
234 Arg Val Ile Ala
235 20
238 <210> SEQ ID NO: 6
239 <211> LENGTH: 20
240 <212> TYPE: PRT
241 <213> ORGANISM: Artificial
243 <220> FEATURE:
244 <223> OTHER INFORMATION: synthetic peptide derived from IL-2Rb
246 <400> SEQUENCE: 6
248 Ser Val Asp Leu Leu Ser Leu Ser Val Val Cys Trp Glu Glu Lys Gly
249 1 5 10 15

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Input Set : A:\2488041-SEQ.txt

Output Set: N:\CRF4\09152006\J591558.raw

252 Trp Arg Arg Val
 253 20
 256 <210> SEQ ID NO: 7
 257 <211> LENGTH: 20
 258 <212> TYPE: PRT
 259 <213> ORGANISM: Artificial
 261 <220> FEATURE:
 262 <223> OTHER INFORMATION: synthetic peptide derived from TNFR1
 264 <400> SEQUENCE: 7
 266 Trp Lys Glu Phe Met Arg Leu Leu Gly Leu Ser Glu His Glu Ile Glu
 267 1 5 10 15
 270 Arg Leu Glu Leu
 271 20
 274 <210> SEQ ID NO: 8
 275 <211> LENGTH: 20
 276 <212> TYPE: PRT
 277 <213> ORGANISM: Artificial
 279 <220> FEATURE:
 280 <223> OTHER INFORMATION: synthetic peptide derived from p53
 282 <400> SEQUENCE: 8
 284 Met Thr Ala Met Glu Glu Ser Gln Ser Asp Ile Ser Leu Glu Leu Pro
 285 1 5 10 15
 288 Leu Ser Gln Glu
 289 20
 292 <210> SEQ ID NO: 9
 293 <211> LENGTH: 15
 294 <212> TYPE: PRT
 295 <213> ORGANISM: Artificial
 297 <220> FEATURE:
 298 <223> OTHER INFORMATION: synthetic peptide derived from HSP65
 300 <400> SEQUENCE: 9
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 303 1 5 10 15
 306 <210> SEQ ID NO: 10
 307 <211> LENGTH: 1578
 308 <212> TYPE: DNA
 309 <213> ORGANISM: Rattus norvegicus
 311 <400> SEQUENCE: 10

 312 ggaccgagcc cttgttctgg cattctccca ggaggatgca gaaaaggggc tgacccaaca 60
 314 ttctgcagag aatttcatcc agttcattcc tgcattcgtga tcccacgtgc cagggagatg 120
 316 gagccacact tgctgatgtt ggggtttctc tcattcacca tagtaccgg ctgttggca 180
 318 gagctgtgtc tgtatgaccc accggaggtc cccaatgcc caattcaaaact cctctcctac 240
 320 aagaacggca ccattctaaa ctgtaatgc aagagaggaa tccgaagact gaatgagctg 300
 322 gtctatatgg cttgttctagg aaactcctgg agcaacaact gtcagtgcac aagcaactcc 360
 324 catgacaact caagagagca agttacacact caacctgaag gacagaaaga gcaacagacc 420
 326 acggacacgc agaaatcaac acagtctgtg taccaggaga accttgcagg tcactgcagg 480
 328 gagccccctc cttggagaca tgaagacacc aagagaatct accacttcgt ggaaggacag 540
 330 atagttctct acacgtgtat tcaaggatac aaggctctac agagaggatcc tgctatcagc 600
 332 atctgcaaga cagtgtgtgg ggagataagg tggacgcata cccagctcac gtgtgttagat 660

RAW SEQUENCE LISTING DATE: 09/15/2006
PATENT APPLICATION: US/10/591,558 **TIME:** 09:06:22

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Output Set: N:\CRF4\09152006\J591558.raw

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336	ccagagagtg aggcttcctg tcccaccccc aacacagact tctcacaact cacagaagca	780
338	actacaacta tggagacatt cgtgttcaca aaggagtatc agtagcagt ggccagctgc	840
340	atcttcctgc tcctcagcat cctcctcctg agtgggttca cctggcaaca tagatggagg	900
342	aagagcagaa gaaccatcta gcaagctaga acagttggag cccaaggaa gatgatggac	960
344	tcatgaagct caagaaacac ctgaggggtc aaacgtgcac tcgacgggtg cctgtctcct	1020
346	ttcgatccct cggttcctgg aaagttatga agtcccgaga cacaatggca catggaaa	1080
348	tagcaacttc atcactaaac cgaactttcc attgaagaat agatctgac catttcagt	1140
350	cagcagttct aaagctttaa cgggagggag ggcccaacgg tgcctgtgt tttgttttg	1200
352	tgtacatgtg ttgatggag ctgcgatggt gtggtaactt ttctgttgaac acacaatata	1260
354	gaaaagttgc tttatgttga ctcttttgg agagcccagc actaatgtaa atactccctc	1320
356	ctgctttcc ttctcttcc tcttctcttc ctcttactc ctccccttgt ccacccacct	1380
358	gcacccatct acttttcttc ttctttctg ttctcacaag gtcatcctag gcatcatgta	1440
360	tggctggctc ctctcaac ctctgtttgc ctaactgggtt cttggattt catcacttac	1500
362	tgatcagttt tttaaaactc tggctgaca atgaggactc catgtttta gaaggaaacc	1560
364	cccttccac tgaagctt	1578
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368	<211> LENGTH: 1623	
369	<212> TYPE: DNA	
370	<213> ORGANISM: Mus musculus	
372	<400> SEQUENCE: 11	
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377	catgtccagt gcgaatgaag acatcaaagc tgatttgc tgcacttcta cagccctga	180
379	acacccatgt gctctactc tgccccttcc agaggttcag tgctttgtgt tcaacataga	240
381	gtacatgaat tgcacttgga atagcagttc tgagcctcag gcaaccaacc tcacgctgca	300
383	ctataggta aaggtatctg ataataatac attccaggag tgcagtcact atttgttctc	360
385	caaagagatt acttctggct gtcagataca aaaagaagat atccagotct accagacatt	420
387	tgtgtccag ctccaggacc cccagaaacc ccagaggcga gctgtacaga agctaaacct	480
389	acagaatctt gtgatcccac gggctccaga aaatctaaca ctcagcaatc tgagtgaatc	540
391	ccagcttagag ctgagatgga aaagcagaca tattaaagaa cgctgtttac aatacttggt	600
393	gcagtaccgg agcaacagag atcgaagctg gacggaacta atagtgaatc atgaacctag	660
395	attctccctg cctagtgtgg atgagctgaa acggtacaca tttcgggttc ggagccgcta	720
397	taacccaaatc tgtggaaattt ctcaacagtg gagtaaatgg agccagctg tccactgggg	780
399	gagtcataact gtagaggaga atccttcctt gttgcactg gaagctgtgc ttatccctgt	840
401	tggcaccatg ggggtgatta ttaccctgat cttgtgtac tttgggttgg aacgaatgcc	900
403	tccaaattccc cccatcaaga atctagagga tctggttact gaataccaag ggaactttc	960
405	ggcctggagt ggtgtgtcta aagggtctgac tgagagtctg cagccagact acagtgaacg	1020
407	gttctgccac gtcagcgaga ttccccccaa aggaggggccc ctaggagagg ggcctggagg	1080
409	ttctccttgc agcctgcata gcccttactg gcctccccca ttttatttctc tgaagccgga	1140
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413	ctcggtact caccttggca atctggatcc aatgctact ggcttcctt gggctaaggt	1260
415	aagttcgat ttctgtccc atgtaactgc ttttctgttc catatgcgt acttgagagt	1320
417	gtcccttgcc ctctttccct gcacaagccc tccatgccc agcctaacac ctttccactt	1380
419	tcttgaaaga gagtcttacc ctgtagccca ggggtggctgg gagtcacta tgttaggccag	1440
421	gttggtccaa ctcacaggct atcctccac ctctgcctca taagagtgg gttactggc	1500
423	atgcaccacc acacccagca tggctttctt cttttatagg attctccctc ctttttcttca	1560
425	cctatgattc aactgtttcc aaatcaacaa gaaataaaat tttaaccaa tgataaaaaaa	1620
427	aaa	1623

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/591,558

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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,8,9

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/591,558

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Input Set : A:\2488041-SEQ.txt

Output Set: N:\CRF4\09152006\J591558.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date